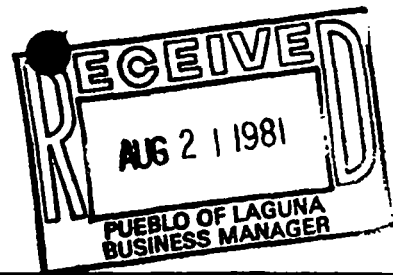


## HYDRO GEO CHEM, INC.

Groundwater Consultants



Confidential Claim Retracted

Authorized by: SC

Date: 6/2/13

744 N. Country Club Road  
Tucson, Arizona 85716  
(602) 326-7020

18 August 1981

MEMO TO: Ron Solimon, Pueblo of Laguna  
Pat Wise, Pueblo of Laguna  
Frank Jones, Bureau of Indian Affairs  
Marc Nelson, U.S. Geological Survey

FROM: Hydro Geo Chem, Inc.

SUBJECT: Progress of work on Laguna Pueblo: July 1981.

Geochemistry. Work was completed on the geochemistry section of the phase 1 report. The section is in review now and will be submitted to the Pueblo, BIA and USGS next month.

Monitoring Program. A preliminary evaluation of the monitoring program was completed, reviewed, and sent out to the Pueblo, BIA, and the USGS for comment. Program revision will be completed when comments are received; implementation should proceed in September.

Tracer Test. We have received maps of the Kerr-McGee mill-site from EID, picked proposed sampling locations and sent our recommendations to Bruce Gallaher (EID); together with sampling procedures, preservation, and chain of custody. The sampling will take place in late August if the necessary permission to release all data and interpretation is obtained.

Numerical Modeling. Calibration of the steady state model is continuing. Results to date indicate that recharge to the lower Dakota Sandstone and Jackpile sandstone (Model layer 4) in the vicinity of Mt. Taylor will need to be included in the model to duplicate historical water levels.



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Computer costs are exceeding those budgeted due to the costs of modifying to code to run on the Sun Information System Cyber 175 (the only available computer that runs the selected model), the high cost of using this machine, and the larger modeled area required. The high computer costs may necessitate reallocation of funds between items in the existing budget.

cc: Governor  
Secretary  
Treasurer  
Ron Solimon